

EXECUTIVE SUMMARY

Date Summary Prepared: July 6, 2005

Mine Name: Allred Mine	I.D. Number: M/049/029
Operator: Interstate Brick Co.	Date Original Notice Received: June 4, 2004
Address: 9780 South 5200 West West Jordan, UT 84088	County: Utah
	New/Existing: Status changing from SMO to LMO
	Mineral Ownership: FEE
Telephone: (801) 280-5200	Surface Ownership: FEE
Contact Person: John Hewitt	Lease No.(s):
Telephone: 280-5230	Permit Term: Life of Mine

Life of Mine: 5-10 years

Legal Description: Portions of the South 1/2 of the Southwest 1/4 of Section 9, Township 5 South, Range 1 West, SLBM, Utah County, Utah

Mineral(s) to be Mined: Clay

Acres to be Disturbed: 15.6 acres

Present Land Use: Grazing and wildlife habitat.

Postmining Land Use: Grazing and wildlife habitat.

Variances from Reclamation Standards (Rule R647) Granted: No variances granted

Soils and Geology

Soil Description: This operation affects three different soil types, the Donnardo Stony Loam, the Taylorsville Silt Loam, and the Lodar rock outcrop. Soils range in depth from outcrop to 10 inches and are quite rocky below 4 inches. These soils are well drained and tend to be alkaline in nature. Lab analysis identified these soils as a sandy loam. These soils are considered suitable for reclamation.

pH: The Natural Resources Conservation Service's soil survey indicates a pH range from 7.6 to 8.6 pH units for these soils. Lab analysis shows the pH to be 8.1.

Special Handling Problems: None

Geology Description: Most of the Geologic deposits in the area of the mine are derived from recent sediment deposits of Lake Bonneville. There are also pockets of surficial limestone from the Mississippian period.

Hydrology

Ground Water Description: Ground water is estimated to be at a depth of greater than 500 feet. No impacts to the ground water system are anticipated.

Surface Water Description: There is an ephemeral drainage about 200 yards north of the permit area. All runoff from the disturbance is contained within the disturbed area so it is unlikely that this drainage will be impacted. No water quality permits were required for this operation.

Water Monitoring Plan: None required.

Ecology

Vegetation Type(s); Dominant Species: This area has been disturbed and reseeded in the past. Current vegetation is dominated by Wyoming sagebrush and bluebunch wheatgrass. Other co-dominant species include Sandberg's bluegrass and crested wheatgrass.

Percent Surrounding Vegetative Cover: Vegetation ground cover was measured at 31.2%. The revegetation success standard for vegetation cover for this site would be 21.8%.

Wildlife Concerns: There are no known listed T & E Species in the area, there is no critical wildlife habitat or standing water for waterfowl. The site is operated for a short - 3-4 week period per year during daylight hours. Impacts are not likely to wildlife that may frequent the area.

Surface Facilities: Other than the pre-existing access road, there are no facilities associated with this operation.

Mining and Reclamation Plan Summary:

During Operations:

Topsoil and overburden will be removed and stockpiled for later reclamation. As the mine progresses, these materials will be direct hauled to reclaim mined out areas. The clay layer is removed with a trackhoe and stockpiled for hauling to the processing plant later on. As the mine advances into the hill in a southwesterly direction, the area will be benched. A safety berm will be constructed at the top of the highwall to prevent access to the active area. An estimated 11,250 cubic yards of material will be mined annually. No air quality permits are required for this operation.

After Operations:

The remaining highwall will be benched and disturbed areas will be regraded. Overburden will be replaced to reduce slopes to a desired 3h to 1v. Topsoil will be replaced at an average depth of 7 inches and amended with 10 ton per acre of organic material. Roads no longer needed for access to the property will be reclaimed by ripping to a depth of 18 inches to eliminate compaction. A thin layer of soil or organic material will be spread over the roughed road. All disturbed areas will be broadcast seeded in the fall with an approved seed mix designed to enhance the intended post-mining land use of grazing and wildlife habitat. There are no surface facilities, ponds, shafts, etc. that would require specialized reclamation plans.

Surety

Amount: \$121,200.00

Form: Surety

Renewable Term: 2010

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